

ACC NR. AR7004097 ( N) SOURCE CODE: UR/0169/66/000/012/V014/V014

AUTHOR: Davidan, I. N.; Rozhkov, V. A.; Andreyev, B. M.; Lopatukhin, L. I.

TITLE: Results of investigations of oceanic wave conditions

SOURCE: Ref. zh. Geofizika, Abs. 12V87

REF SOURCE: Sb. 2-y Mezhdunar. okeanogr. kongress, 1966. Tezisy dokl. M.,

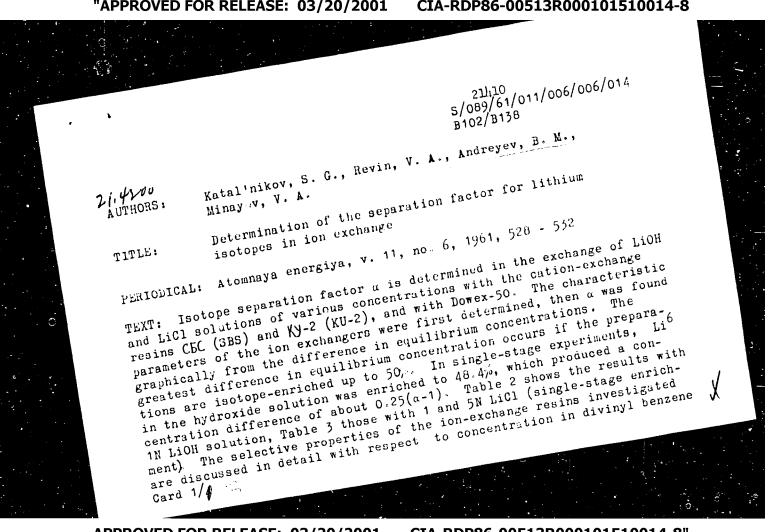
TOPIC TAGS: oceanography, ocean dynamics, wave spectral structure hydrographic survey, correlation function, stochastic process

ABSTRACT: Processed data from wave observations at the State Institute of Oceanography (more than 200 wave recordings, each comprising several "wavegrams", and close to 50 stereophotogrammetric sheets) are presented. The processing of observations from two ships with a base ranging from 1 cable length to 1 nm has yielded statistical characteristics which are adequate for practical purposes. In the case of steady swell at a sampling volume > 300 waves, the maximum divergence of one-dimensional distributions (of "visible" waves) does not exceed 5%. In two-dimensional distributions, similar divergencies occur at a

Card 1/3

UDC: 551.466.326

are specified and some relationships for coordinates are established. Computate typical features of the waves spectrum, of abstract]	tional relationships reflect accur	ately the	•
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CIA-RDP86-00513R000101510014-8" **APPROVED FOR RELEASE: 03/20/2001** 

211,10 \$/089/61/011/006/006/014 B102/B138

Determination of the...

and distribution factor  $K_{Li}^{H}$ . Conclusions: (1) Isotope exchange between SBS, KU-2 and Dowex-50 on the one side, and LiOH and LiCl solutions on the other, produced an accumulation of Lib in the cation exchanger and of Li<sup>7</sup> in the solution.  $\alpha$  depends on the type of exchanger. (2) Within the limits of error  $\alpha$  was the same for Li ion exchange in LiCl and LiOH solutions. In 1-5N LiCl solutions,  $\alpha$  does not depend on concentration. (3) The distribution constants for Li<sup>+</sup>-H<sup>+</sup> systems and  $\alpha$  are interrelated. The cation exchanger with the least affinity to lithium has the greatest  $\alpha$  . A similar  $K_{\rm Li}^{\rm H}/\sigma$  dependence was found for cation exchangers for which the distribution coefficient depends on the molar fraction of li in the exchanger (Dowex-50). For SBS,  $\alpha = f(\log K_{Li}^H)$ . The authors thank Professor G. K. Boreskiy for his interest. G. M. Panchenkov is mentioned (G. M. Panchenkov et al., Atomnaya energiya, t. 7, vyp. 6, 556, 1959). There are 2 figures, 3 tables, and 13 references: 4 Soviet and 9 non-Soviet. The four most recent references to English-language publications read as follows: F. Menes, E. Saito, E. Roth: Proceedings of the International Symposium on Isotope Separation, p. 227, North-Holland Publishing

Card 2/# .,

EXATAL'NIKOV, S.G.; REVIN, V.A.; ANDREYEV, B.M.; PROKOPETS, V.Ye.

Determination of height, equivalent to the theoretical plate in countercurrent ion exchange. Zhur. prikl. khim. 34 no. 12:2669-2694

D'61.

(NIRA 15:1)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I.

Mendeleyeva.

(Ion exchange)

L 45878-66 EWT(m)/EWP(t)/EWP(k)/ETI JD/RM

ACC NR: AP6022177 SOURCE CODE: UR/0193/66/000/002/0040/0041

AUTHOR: Andreyev, B. N.

ORG: None

43

TITLE: Production of turbo-compressor wheels by using investment-casting process SOURCE: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 2, 1966, 40-41

TOPIC TAGS: machine industry, metal casting, turbine compressor, compressor rotor / TKR-23 turbocompressor, PSS-pattern wax, FR-12-oven, EI-572 steel, steel

AESTRACT: A description of a casting process used by the Sverdlovak Turbomotor Plant for producing wheels of TKR-14 and TKR-23 turbocompressors is presented. The diameters of the wheels are 140 and 230 mm. The wheels are made of EI-572 steel. A PSE plastic wax mass containing paraffin, stearin and ethylcellulose is used for the wheel pattern. The percentages of their contents are given for both types of wheels. The patterns are invested in ceramic mold materials containing a solution of ethyl-silicate, marshalite (quartz powder), quartz sand and water glass. The procedure of drying and baking of ceramic investment material is described. A PN-12 oven is used for baking at a temperature progressively rising from 400 to 950 C. The molten metal is cast into the pattern cavities preheated at about 900 C. A centrifugal machine (about 320 rpm) is used for filling the mold. Finally, the wheel castings are cleaned and trimmed by removing ceramic material and cutting off the heads.

SUB CODE: 13/ SUBM DATE: None

Card 1/1ULR

UDC: 621.74.045:621.515.5

119-58-5-6/11 Andreyev, B.S., Chuchin, Ye.F. AUTHORS: Automatic Production Line for Working on Wrist Watch Cases TITLE: (Avtomaticheskaya liniya dlya obrabotki korpusov naruchnykh chasov) Priborostroyeniye, 1958, Nr 5, pr 18-21 (USSR) PERIODICAL: put into operation in September 1956 in the ABSTRACT: An automatic line watchmaking factory Nr 2 at Moscow ... was developed by constructors of the factory itself. The following 10 instruments are used in this automatic system for the 10 working operations in order to produce the case ring for the wristwatch "Popeda": 6.) Rasp for removal of the seam 1.) Profile outter 7.) Drill 2.) Reamer 3.) Profile cutter 8.) Drill 9.) Drill 4.) Profile cutter 10.) Drill 5.) Profile cutter The distance between the individual sections amounts to 470 mm. Additional organs are provided for the removal of shavings. This automatic system has been working with great stability since a long time. The following figures may serve as a Card 1/2

Automatic Production Line for Working on Wrist Watch Cases

119-58-5-6/11

characteristic of the operational efficiency of the line: Whereas formerly 47.24 hours were needed for working on the 1000 parts, this period has been reduced to 5.4 hours since introduction of the automatic system. Besides, 30 qualified workinen became available for other jobs and a working space of 60 m<sup>2</sup> was saved. A rough estimate shows that this automatic line saves an amount of 420,000 rubles per annum. There are 2 tables.

AVAILABLE:

Library of Congress

1. Industry-USSR 2. Industrial production-Automatica

Card 2/2

ANDREYEV, Boris Sergeyevich; OZEROVA, Z.V., red.; TIKHONOVA, I.M.,
tekhn. red.

[Farming communist production relations]Formirovanie kommunisticheskikh proizvodstvennykh otnoshenii. Leningrad, Lenizdat, 1962. 68 p. (MIRA 16:2)

(Government ownership) (Collective farms)

AUTHOR - Audravey, B. S.; Londarey, D. Ye.

SURCES; Production technology of scandism-containing ferrite cores of the scandism-core of the scandism-containing ferrite cores cores of the scandism-containing ferrite cores cores co

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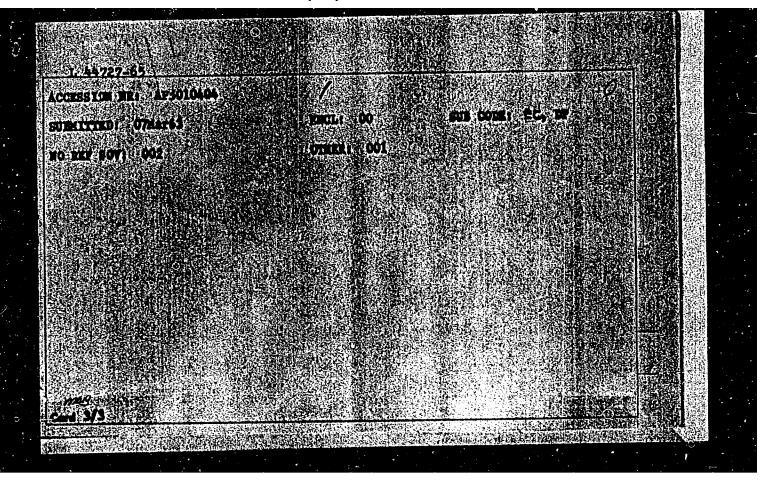
#### ACCESSION HR AP3010404

Accordingly the author describes the chemical composition and the process of manufacturing of forrite cores of this kind; termed HS ferrite cores in the Soviet Union. The raw charge is pulverized in a conventional ball mill, and the resulting paste is dried with a radiant-heat lamp, screened through a fine siev, sintered for 6 hr at 875°C and cooled in the air. The cooled powder is gramulated on adding 10% aqueous solution of polyvinyl alcohol, whereupon it is compression-molded into ferrite cores. The molded cores are sintered at 900°C, with the temperature being subsequently raised to 1300°C for 2 hr and hardened at 1000°C in air. Further, the author describes an experimental comparison of the characteristics of the coercive current and magnetic flux of ferrites with and without the admixture of scandium oxids, which shows that the addition of scandium oxide sharply affects the magnetic inductance and coercive force of ferrites of the Nn-Ng system. The concentrant sharp change in the resultant magnetic moment is attributed to the registeribution of the electrons of the 3d-shells of the magnetoactive ions Fe<sup>-1</sup>, Fe

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101510014-8



Name: ANDREYEV, Boris Vladimirovich

Dissortation: Theoretical bases for raising the fortility of dark alkaline soils /solonatel/

Degree: Doc Agr Sci

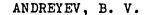
Affiliation: Saratov State U imeni Chernyshevskiy

Defense Date, Place: 13 Apr 56, Council of Omsk Agr Inst imeni Kirov

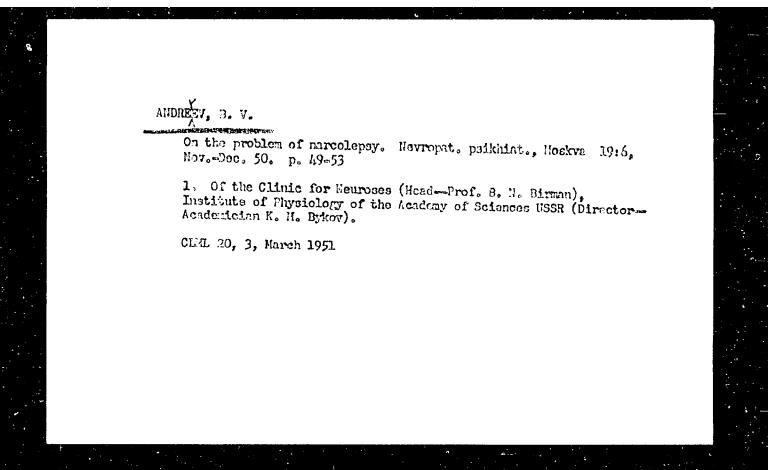
Cortification Date: 23 Jun 56

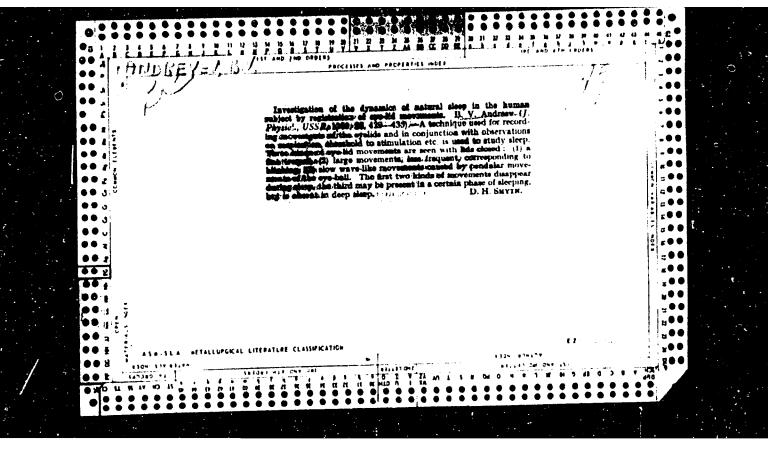
Source: BMVO 5/57

UMAL.



Cand Biol Sci - (diss) "Ecology of the carp in intensive pisciculture of the central black-earth band." Kiev, 1961. 22 pp; (Ministry of Agriculture Ukrainian SSR, Ukrainian Academy of Agricultural Sciences); 200 copies; price not given; (KL, 5-61 sup, 182)





### ANDREYEV, B.V.

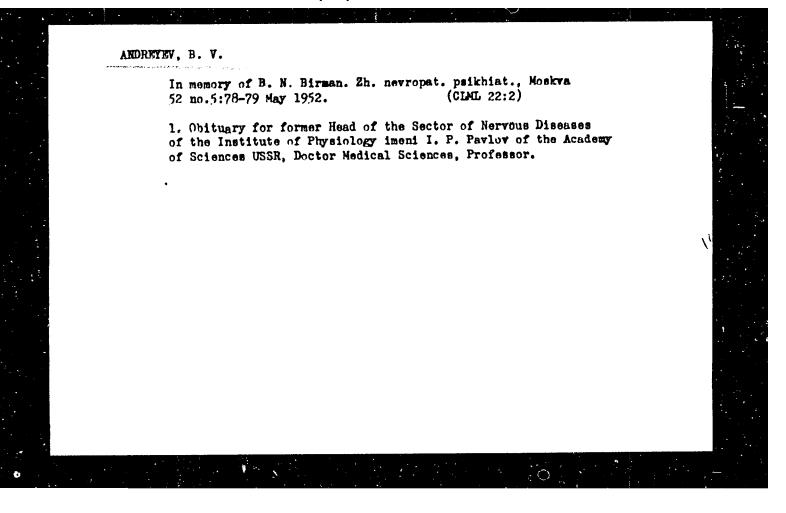
Studies on dynamics of normal sleep in man with the method of actography. Zh. vysshei nerv. deiat. Pavlova 1 no.4:500-505 July-Aug. 1951. (CLML 23:2)

1. Imboratory of the Physiology and Pathology of Higher Nervous Activity of the Institute of Physiology imeni I. P. Pavlov, Academy of Sciences USSR.

ANDREYEV, B.V.; Mayorov, F.P., saveduyushchiy.

Investigating the dynamics of sleep in children by using an activity recorder. Trudy Inst.fiziol. 1:339-344 '52. (MLMa 6:d)

1. Laboratoriya fiziologii i catologii vyashey nervnoy dayatel'nosti. (Sleep)



ANDHEYEV, B.V.; KARAPETYAN, Ye.A.; MAYOROV, F.P., zaveduyushchiy; KRYSHOVA, N.A., zaveduyushchaya.

Peculiarities of nocturnal sleep in narcolepsy according to data obtained by the activity recorder. Trudy Inst.fixiol. 1:376-380 '53. (MLNA 6:8)

1. Laboratoriya fiziologii i patologii vysshey nervnoy deyatel'nosti (for Mayorov and Andreyev). 2. Sektor organicheskikh nervnykh rasstroystv (for Kryshova and Karapetyan). (Sleep)

## ANDREYEV, B.V.

Certain data on dynamics of therapeutic sleep. Klin. med., Moskva 31 no.4:74-77 Apr 3.953. (CLML 24:4)

1. Of the Institute of Physiology imeni Academician I. P. Pavlov (Director -- Academician K. M. Bykov), Academy of Sciences USSR.

	(4)		1.10		
USSR/Medicine - Sleep Therapy, Sep 53 Bromides	"Expediency of Administration of Bromides in Sleep Therapy," B. V. Andreyev (Leningrad), Leb of Physiol and Pathol of Higher Nervous Activity, Inst of Physiol im I. P. Pavlov	bromide h sleep-	best soporific effects without increasing intoxication with bromides. A combination of alcepproducing does of barbiturates with optimal doses of bromides is inexpedient, because barbiturates produce sleep while bromides dissipate the hypnotic condition: instead of a cumulative action, the opposite effect is obtained. Sleep-producing doses of barbiturates were administered in combination with small doses of bromides (i.e. 0.45 - 0.5g) to 14 patients; in three patients the sleep-producing effect was only slightly intensified and in other patients either no effect or a negative effect was noted.	270T56	
1 (2) 2 (4)		n de la companya de l			

ANDRZYEV, B.V. (Leningrad); BYKOV, K.M., akadenik, direktor.

Certain data on the dynamics of therapeutic sleep. Klin.med. 34 no.4:
(MLHA 6:7)
71-77 Ap '53.

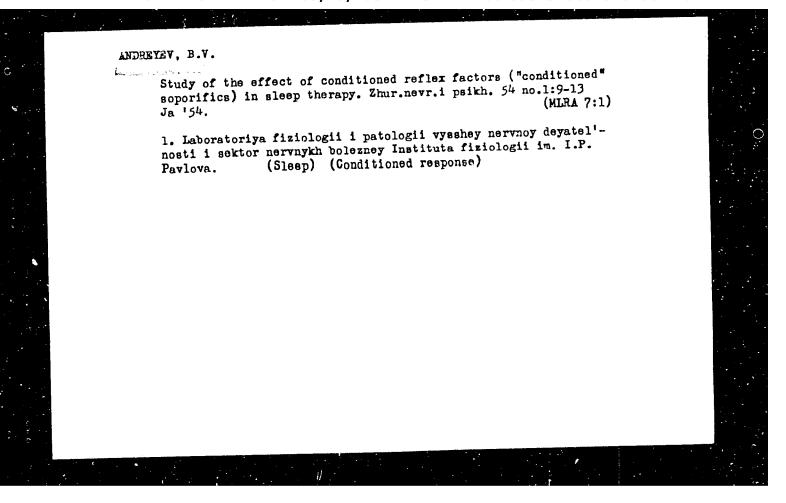
1. Institut fiziologii imeni akademika I.P.Pavlova Akademii nauk SSSR.
(Sleep--Therapeutic use)

ANDREYEV, B.V.; KRAYEVSKIY, Ya.M.

Data on the effect of combined use of barbiturates and analystics upon the duration of therapeutic sleep. Zhur.nevr.i psikh. 53 no.5:362-369 My '53.

(MLRA 6:5)

- 1. Organicheskaya nervnaya klinika Instituta fiziologii imeni I.P. Pavlova Akademii nauk SSSR.
- 2. Laboratoriya fiziologii i patologii vysshey nervnoy deyatel'nosti Instituta fiziologii imeni I.P. Pavlova Akademii nauk SSSR. (Sleep) (Sedatives)



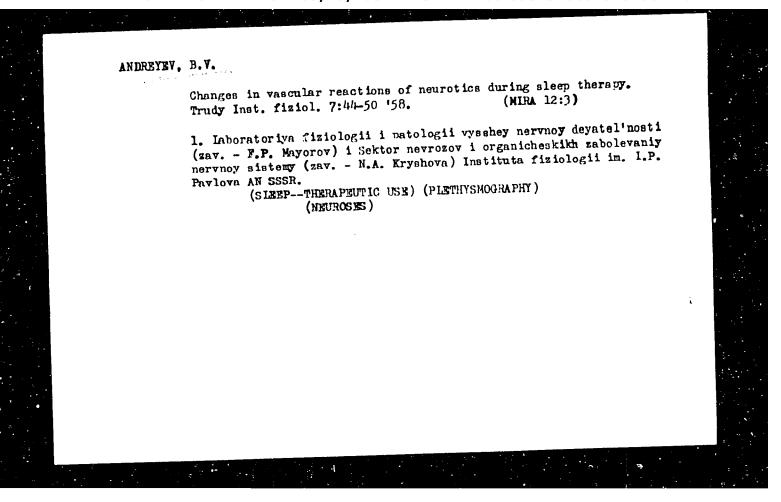
AMDREYEV, B. V. (Beris Vladimin-evich)

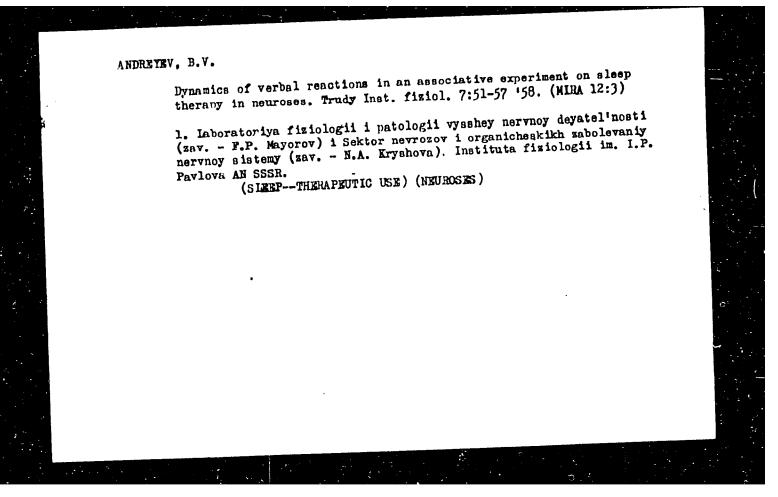
ANDREYEV, B. V.: "Material on the investigation of sleep and the use of therapeutic sleep in the clinical treatment of neuroses." Acad

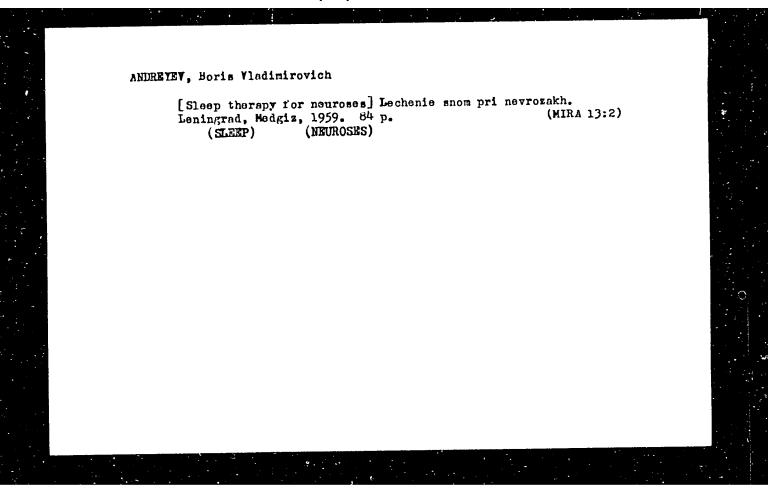
Sci USSR. Inst of Physiology imeni I. P. Pavrov. Leningrad, 1956

(Dissertation for the Degree of Doctor in Medical Sciences)

Source: Knizhnava letopis' No. 2 1956 Moscow







ANDREYEV, B.V., doktor med.nauk

Pupils' sleep in boarding schools. Gig. i san. 26 no.10:82-84, 0 '61.

(MIRA 15:5)

1. Iz laboratorii fiziologii i patologii vysshey nervnoy deyatel'nosti Instituta fiziologii imeni I.P.Pavlova, Loningrad.

(SLEEP) (SCHOOL HYGIENE)

ANDREYEV, B.V.; ARTEM'YEV, S.P.; ARKHANGEL'SKIY, V.M; AFANAS'YEV, L.L.;

BABKOV, V.F.; BRONSHTEYN, L.A.; BURKOV, M.S.; BURYAHOV, V.A..;

VARSHAVSKIY, I.L.; VELIKANOV, D.P.; VOINOV, A.N.; VYHUBOV, D.N.;

DORHIDONTOV, A.V.; D'YACHKOV, A.K.; YEFRENOV, V.V.; ZHABIN, V.M.;

ZELLNKOV, G.I.; KALABUKHOV, F.V.; KALISH, G.G.;

KRASIKOV, S.M.; LAKHTIN, YA.M.; MIKULIN, A.A.; ORLIN, A.S.; OSTROVSKIY,

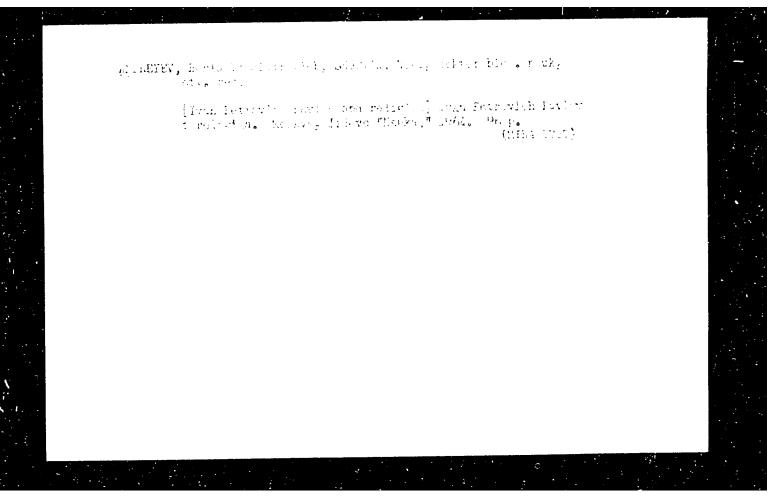
N.B.; OSTROVTSOV, A.N.; RUBETS, D.A.; STEPAROV, YA.A.; STECHKIN, B.S.;

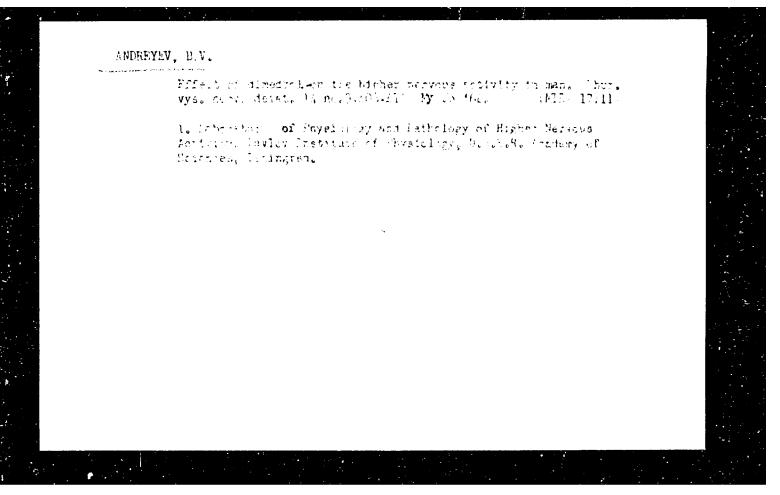
KHACHATUIOV, A.A.; KHOVAKH, M.S.; CHAROMSKIY, A.D.; SHARAPOV, K.A.

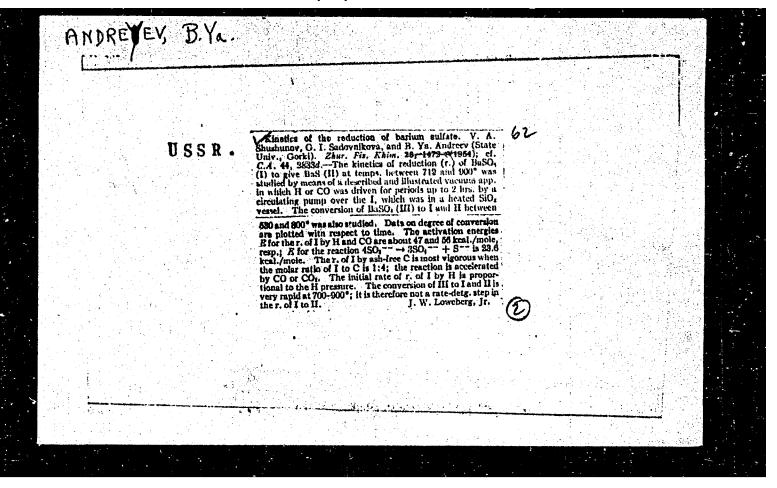
Nikolai Romanovich Briling; obituary. Avt.transp. 39 no.4:57

Ap '61.

(Briling, Nikolai Romanovich, 1876-1961)







5(4) AUTHORS:

Shushunov, V. A., Andreyev, B. Ya.

507/20-121-4-32/54

TITLE:

The Kinetic Isotope Effect in the Reaction of Hydrogen and Tritium With the Oxides of Some Metals (Kineticheskiy izotopnyy effekt v reaktsii vodoroda i tritiya s okislami

nekotorykh metallov)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 4, pp 689-692

(USSR)

ABSTRACT:

This paper reports on the investigation of the influence of the presence of various isotopes on the velocity of the reduction of the oxides of some metals by hydrogen and tritium. The experiments were carried out under dynamic conditions by means of an apparatus described in a previous paper. The carrying out of the experiments is discussed in a few lines. The mixture of hydrogen and tritium was produced by the chemical decomposition of water. The metal oxides were prepared according to several methods, after which they were fractionated by screening. Assuming that the oxides are reduced according to the first order with respect to H2 and also with respect to HT, and on the basis of some other plausible assumptions,

Card 1/4

The Kinetic Isotope Effect in the Reaction of Hydrogen and Tritium With the Oxides of Some Metals

the authors found  $\lg A = ((1/\alpha) - 1)\lg p + B$ . This equation describes the dependence of the specific activity A of the gas on its pressure p. It is valid if the temperature and the volume of the system are constant. The kinetic isotope effect  $\alpha$  is equal to the ratio of the velocity constant  $k_i$ of the reaction of H2 to the velocity constant k2 of the reaction of HT with the metal oxides; the constant B characterizes the initial state of the gas. In all the investigated reactions lg A was an exact linear function of lg p and this confirms the correctness of the above-mentioned assumptions. The character of this function does not depend on the initial pressure of the gas, on the batch (naveska) of the oxide (which is to be reduced), and on the temperature. The authors plotted the values of lg A against these of 1g p, and from the inclinations of the corresponding straight lines they calculated the values  $\alpha$  of the kinetic isotope effect for the various experiments. The results of these calculations are given by a table.  $\alpha$  does not depend on the initial pressure of the gas, on the batch of the oxides. and on their degree of dispersion. However, this effect

Card 2/4

The Kinetic Isotope Effect in the Reaction of Hydrogen and Tritium With the Oxides of Some Netals

depends very much on the temperature and on the nature of the oxides which are to be reduced. All the oxides investigated in this paper may be subdivided into 2 groups: The first (second) group consists of those oxides which react faster (more slowly) with hydrogen than with tritium.  $\mathrm{Ag_20}$ ,  $\mathrm{Cu_20}$ ,  $\mathrm{Cu_0}$ ,  $\mathrm{Hg0}$ ,  $\mathrm{Pb0_2}$ ,  $\mathrm{Mn0_2}$ , and  $\mathrm{Fe_20_3}$  at high temperatures belong to the first group, but  $\mathrm{Mn_30_4}^{\circ}$   $\mathrm{Lin_20_5}$ , NiO. CoO. Fe 0, belong to the second group. Also the possible existence of the reaction HT +  $\rm H_2O \xrightarrow{\longleftarrow}$  HTO +  $\rm H_2$  has to be taken into account. This reaction may be catalyzed by the oxides and by the metals produced by their reduction. The oxides of the first group very slightly catalyse the above mentioned reaction. However, the catalysis by this reaction is very characteristic of the second group of oxides. The influence of this reaction on the experiments discussed in this paper can, however, be disregarded. The dependence of a on the temperature satisfies the Arrhenius (Arrenius) law. Finally,

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SOV/20-121-4-32/54

The Kinetic Isotope Effect in the Reaction of Hydrogen and Tritium With the Oxides of Some Metals

some anomalies are mentioned. There are 4 figures, 2 tables

and 9 references, 3 of which are Soviet.

ASSOCIATION: Mauchno-issledovatel skiy institut khimi pri Ger'kovskem

gosudarstvennom universitete im. N. I. Lobachevskogo

(Scientific Research Institute of Chemistry of the Gor kiy

State University imeni N. I. Lolachevskiy)

PRESENTED: April 2, 1958; by V. N. Kondratiyet. Academician

SUBMITTED: March 27, 1958

Card 4/4

ANDREYEV, B. Ya., Candidate Chem Sci (diss) -- "The kinetic isotopic effect of hydrogen in reducing the oxides of certain metals". Gor'kiy, 1959. 21 pp (Min Higher Educ USSR, Gor'kiy State U im N. I. Lobachevskiy), 200 copies (KL, No 23, 1959, 161)

L 22534-65 EPA(8)-2/EWT(8)/EPF(c)/EPF/EWP(3)/T Po-4/Pr-4/?8-4/Pt-10 RM/
FW S/0020/64/158/008/1348/1351-5
ACCESSION NR: AP4048040

AUTHOR: Andreyev, B. Ya ; Dyagileva, L. M.; Feklisov, G. I.

TITLE: Thermal stability of ferrocene

SOURCE: AN SSSR. Doklady\*, v. 158, no. 6, 1984, 1348-1351

TOPIC TAGS: ferrocene, thermal stability, isothermal decomposition, radical

ABSTRACT: The isothermal decomposition of ferrocene was studied at temperatures from 400-470C under static conditions using an initial ferrocene vapor pressure of about 2 atmospheres. At all the temperatures studied there was approximately a 20% decrease in ferrocene during the first 10-15 minutes of decomposition. This was followed by a delay period, which decreased with temperature, position. This was no appreciable decrease in ferrocene, and then by very rapid in which there was no appreciable decrease in ferrocene, and then by very rapid decomposition. The reactor was covered with a dark deposit of iron and carbon decomposition. The reactor was covered with a deposition during the delay (wi:8 atoms) which increased with decomposition; deposition during the delay period was slow. No iron carbide-was found. Somewhat over 3 moles of gaseous period was slow. No iron carbide-was found. Somewhat over 3 moles of gaseous

Card 1/2

# L 22534-65

# ACCESSION NR: AP4048040

products were formed per mole of ferrocene:  $(C_5H_5)_2Fe - Fe + 8C + 2CH_4 + PCH_4$ . The decomposition proceeded via a combination of heterogeneous and homogeneous reactions. Addition of carbon did not affect the thermal decomposition process but increased delay time; while addition of iron affected the decomposition. The reaction rate was greater the larger the surface of the solid products. Thus active intermediate products which accelerated the decomposition reaction were formed in the gaseous and the solid decomposition products. A radical mechanism for the decomposition was proposed starting with the reaction  $(C_5H_5)_3Fe - (C_5H_5)Fe(C_2H_4) + H$ , rather than with the heretofore proposed cyclopentadiene formation. Orig. art. has: 2 equations and 3 figures.

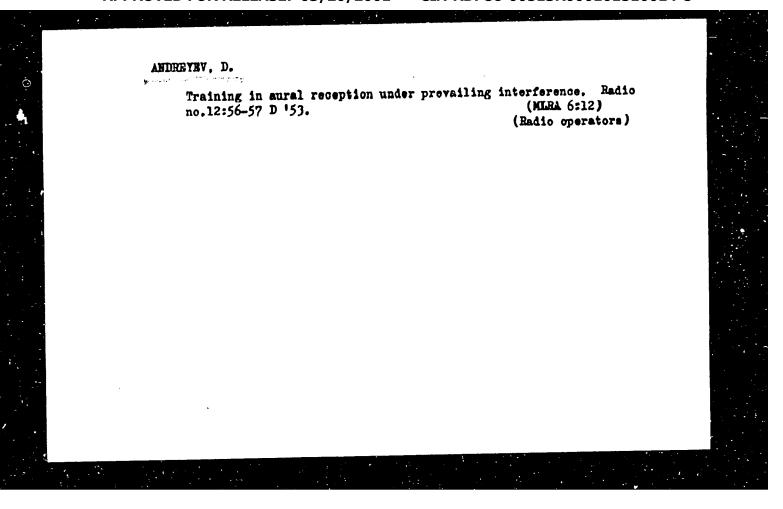
ASSOCIATION: Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvyennom'universitete im, N. I. Lobachevskogo (Scientific Research Institute of Chemistry at the Gorkov State University)

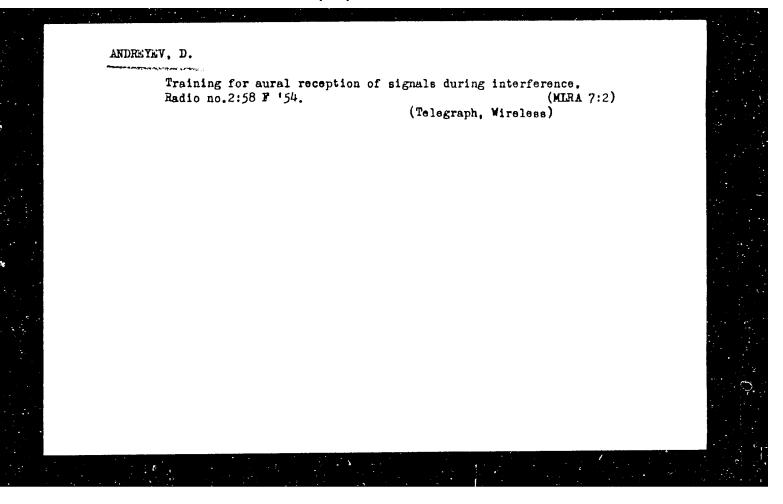
SUBMITTED: 15May64

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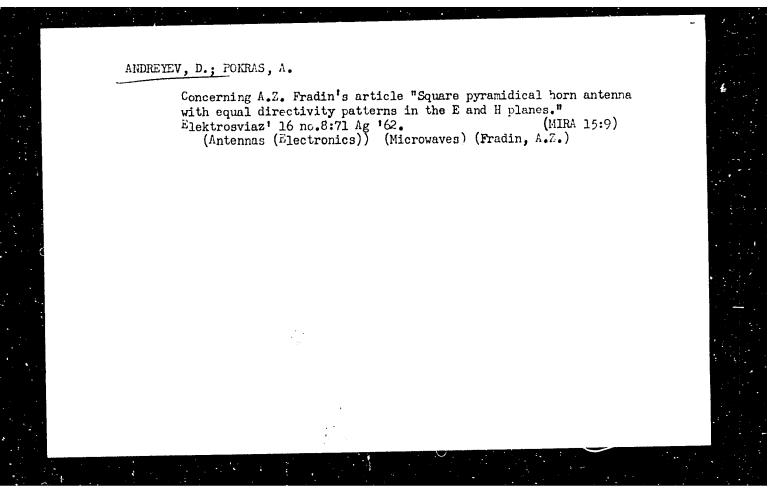
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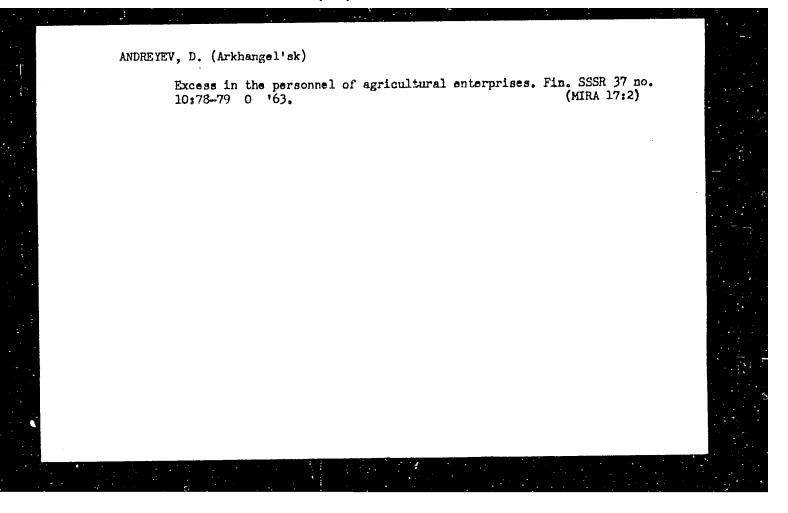
Car 2/2





ANDREYEV, D. USSR/ Miscellaneous - Radio telegraph training Pub. 89 - 24/27 Card : Andreev, D. Authors 8 Training radio-telegraph operators to pick up Morse signals, under Title interference conditions Periodical : Radio 2, page 50, Feb 1954 : A method of training radio telegraph operators is described. The train-Abstract ing is intended to teach the operators to pick up signals by ear, under various interference conditions. Institution: Submitted:





BULGARIA/Human and Animal Physiology. Internal Secretion. T-8 The Pancrea.

Abs Jour: Ref Zhur-Diol., No 12, 1958, 55888.

Author : Penchev, Iv., Popov, Al., Kolarov, Pan., Andreyev, Dim.

Inst

: Cur Experiences in Treating Diabets With Sulfonilic Title

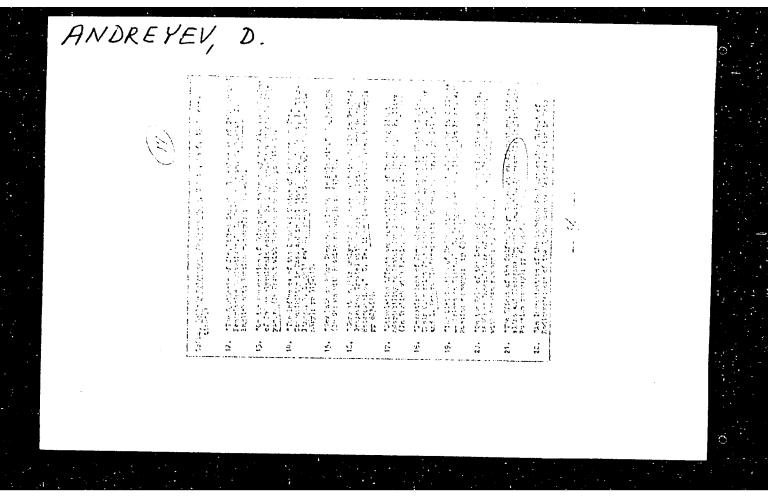
Urea.

Orig Pub: Sovrem. med., 1956, 7, No 10, 3-20.

Abstract: No abstract.

: 1/1 Card

134



PENCHEV. Iv., prof.; POPOV, Al.; KOLAROV, Pan.; ANDREYEV, Dim. (Sofiya)

Sulfanil urea therapy of diabetes mellitus [with summary in English].

Probl.endok. i gorm. 4 no.6:20-28 N-D '58. (MIRA 12:2)

1. Iz kliniki vnutrennikh bolezney a endokrinologiyey i bolezney
obmena veshchestv Instituta usovershenstvovaniya i spetsializatsii
vrachey (dir. prof. Iv. Penchev).

(ANTIDIABETICS, ther. use,
sulfanilylurea (Rus))

39li72 s/106/62/000/008/009/009 A055/A101

9,1800

Andreyev, D., Pokras, A. On the article of A.Z. Fradin "Square pyramidal horn with identical AUTHORS:

directivity patterns in the E and H planes" TITLE:

PERIODICAL: Elektrosvyaz', no. 8, 1962, 71

A.Z. Fradin (Elektrosvyaz', no. 9, 1961) obtained a l. rn-feed with square aperture and with identical directivity patterns in planes E and H by introducing longitudinal metal plates into the horn. The authors of the present article suggest another method. The walls of the horn (Fig. 1) are provided TEXT: with "windows" between the cross sections A and B. With vertical polarization of the radiated signal, currents, analogous to currents in horn walls without "windows", will be sustained in the lateral walls between sections A and B; in the upper and lower walls, no current will be sustained, the "windows" being perpendicular to the electric field lines of force. This means that, with verperpendicular to the directivity pattern in plane H will be determined by the size of the aperture in section A, and in plane E by the size of the aperture in

Card 1/8 \* S/106/61/000/009/006/008

sov/86-58-10-24/40

Andreyev, D.A., Engr Lt Col, and Kon'kov, N.G., Engr AUTHOR:

Lt Col

For Stricter Control of the Quality of Preparation of TITLE:

Aviation Materiel (Strozhe proveryat' kachestvo pod-

gotovki aviatsionnoy tekhniki)

Vestnik vozdushnogo flota, 1958, 1958, Nr 10, pp 54-PERIODICAL:

61 (USSR)

The authors in this article stress the importance of ABSTRACT:

checking very strictly the quality of preparation of aviation materiel for flights. The authors then describe how Officer A.A. Kirichenko, the deputy commander in charge of aviation engineer service in a unit, plans and organizes his work and that of his sub-

ordinates so that everything is accomplished in time

and checked thoroughly.

Card 1/1

ZAKHAROV, I.S., red. Prinimal uchastiye ANDREYEV, D.G., starshiy inzh., red.; THECHOV, A.Ya., tekhn. red.

[Textile machinery(catalog-handbook); cotton machinery] Tekstil'nyo mashiny (katalog-spravochnik); mashiny khlopchato-bumazhnogo proizvodstva. Koskva, Eashgiz, 1951. 123 p. (MRA 15:3)

1. Rauchno-issledovatel'skiy institut tekstil'nogo i legkogo machinostroyeniya (for Andreyev).

(Cotton machinery)

	PA 240T105	
ANDREYEV,	D. I.	
	USSR/Physics - Light Measurement Dec 52	
	"Optical Method of Measuring Intensity of Light, Brightness and Flux," A. A. Volkenshteyn, D. I. Andreyev and V. I. Isayenko	
	"Zhur Tekh Fiziki" Vol 22, No 12, pp 2026-2037	
	Optical measuring method was tested theoretically and experimentally. Results showed adequate accuracy of measurements. The equipment may be used in plants and on expeditions. Received 22 Sep 52.	1
	24OT105	
4		

ANDREYEV, D. K.

"Wholesale Price List for Papermaking Equipment, Spare Parts, and Slate Equipment in USSR," Preiskurant Optovykh Tsen na Bumagodelatel mye Oborudovaniye, Zapasnyye Chasti k Nemu i Shifernoye Oborudovaniye, 1949

Translation M-475, 31 May 55

ANDREYEV, D.K.

USSR/Chemical Technology - Chemical Products and Their Application. Dyeing and Chemical Treatment of Textiles, I-16

Referat Zhur - Khimiya, No 19, 1956, 62855 Abst Journal:

> Andreyev, D. K., Mednikova, L. N. Author:

Institution:

On New Raw Material for the Production of Size Title:

Original

Tr. Leningr. tekstil'n. in-ta, 1955, No 6, 53-55 Periodical:

Abstract: For the purpose of reducing the expenditure of starch for sizing it is proposed to utilize vegetable proteins contained in considerable amounts in the seed of oil-yielding and leguminous crops. The

cheapest raw material are cottonseed and other grist and cake from which the adhesive agents are extracted with sodium alkalies or calcium hydroxide. The low solubility of the latter ensures a permanent slight alkalinity and lesser degradation of protein molecules. Cambined use of aqueous solutions of lime and chloramine increases

the yield of extracted substances up to 45%. The substances thus

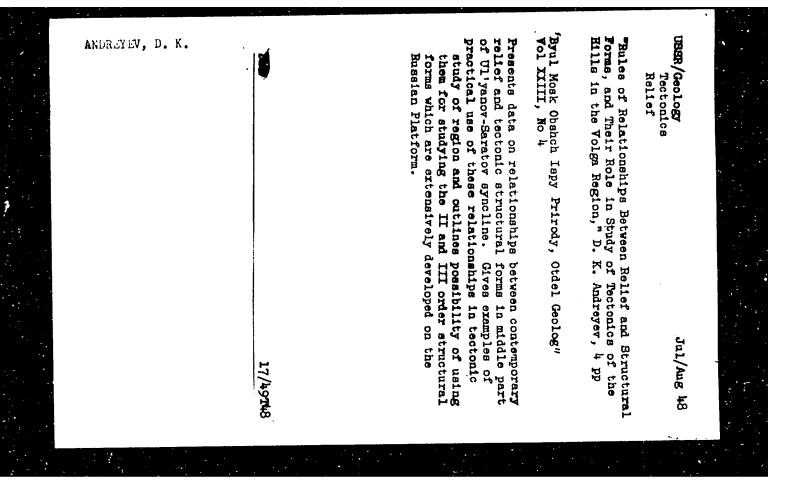
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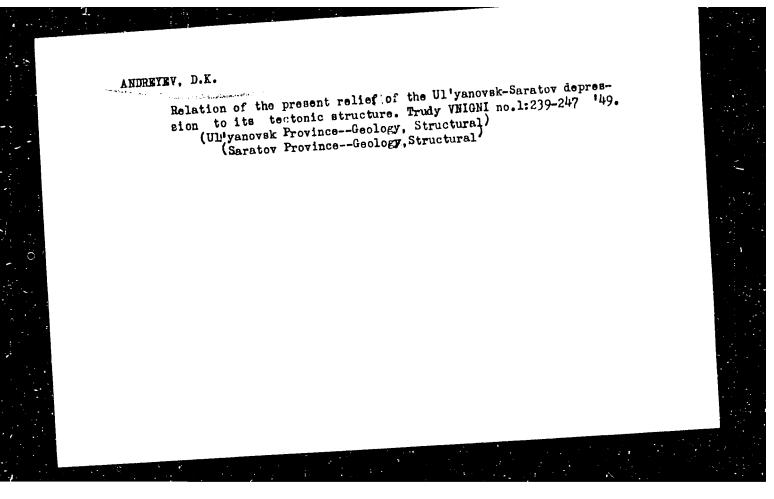
CIA-RDP86-00513R000101510014-8" **APPROVED FOR RELEASE: 03/20/2001** 

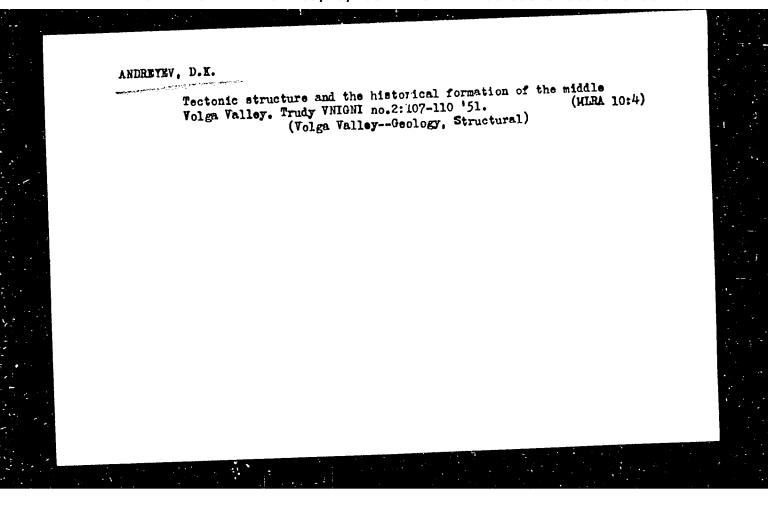
### ANDREYEV, D.K.

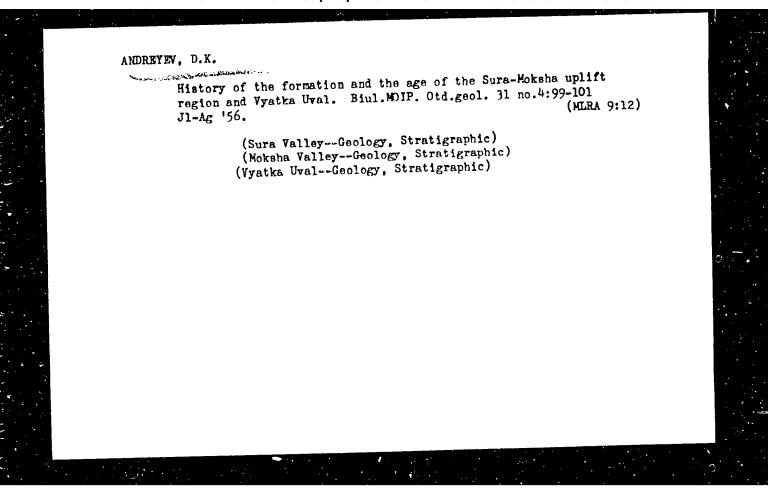
In the pavilion "Public health and medical industry." Inform. biul. VDNKH no.8:37-38 Ag 163. (MIRA 17:8)

1. Glavnyy metodist paviliona "Zdravookhraneniye i meditsinskaya promyshlennost" na Vystavke dostizheniy narodnogo khozyaystva SSSR.





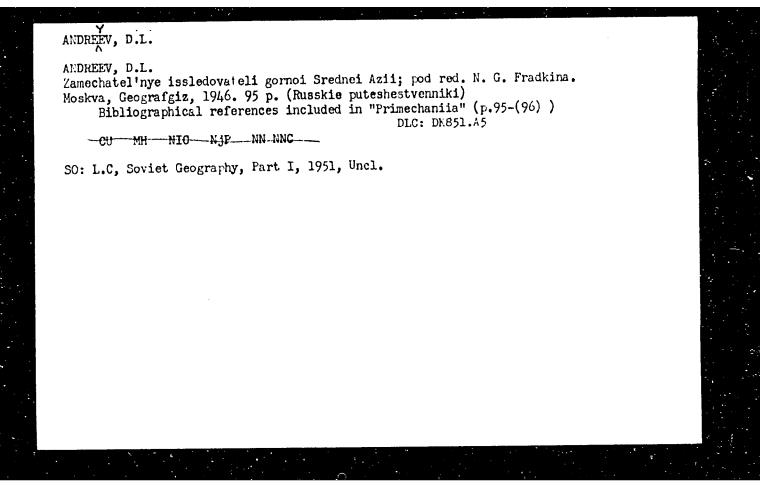


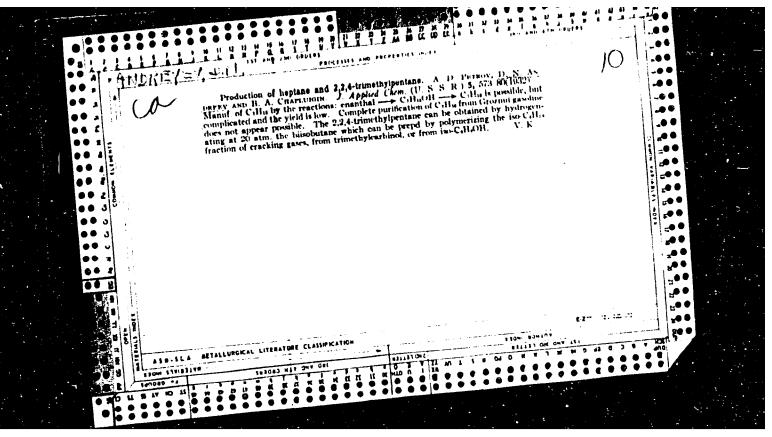


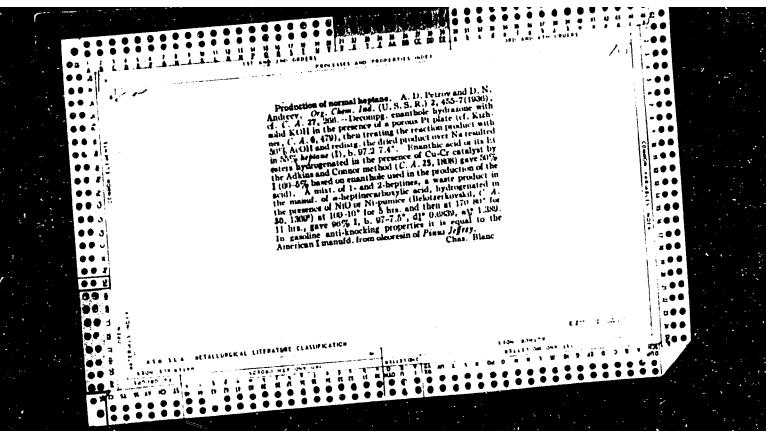
ANDREYEV, 11-9-2/14 Andreyev, D.K. and Sycheva-Mikhaylova, A.M. On Some Paleogenic Structures in Middle Povolzh'ye Which Are AUTHOR: Absent in More Ancient Strata (O nekotorykh paleogenovykh TITLE: strukturakh v Srednem Povolzh'ye, otsutstvuyushchikh v boleye drevnikh sloyakh) Tzvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1957, PERIODICAL: # 9, p 19-31 (USSR) Petroleum surveys in the Russian platform have produced cases in which local upheavals discovered in upper strata were not ABSTRACT: found in deeper ones. The author analyzes this phenomenon for two local upheavals located in the Tertiary sediments of the Ul'yanovsk-Saratov depression, in the basin of the upper stream of the Sura river, which were discovered during geologic-survey mapping: the Kozlyakovskoye and the Prudovskoye upheavals. The first of them is located north of Kuznetsk

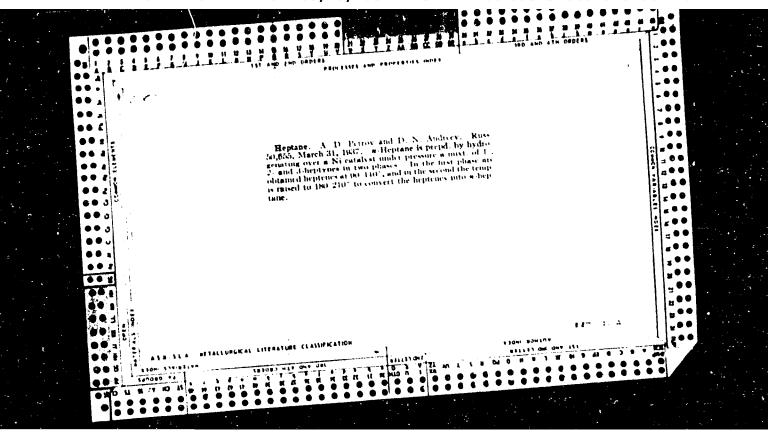
and is associated presumably with the western end of the Borlinskaya zone of upheavals. During the early Tertiary period, a local depression was formed there which was named by D.K. Andreyev the Kuznetsk Lower-Paleocene depression. Later on, during the pre-Eocene epoch, differential vertical shifts occurred. They caused the interruption of sediment

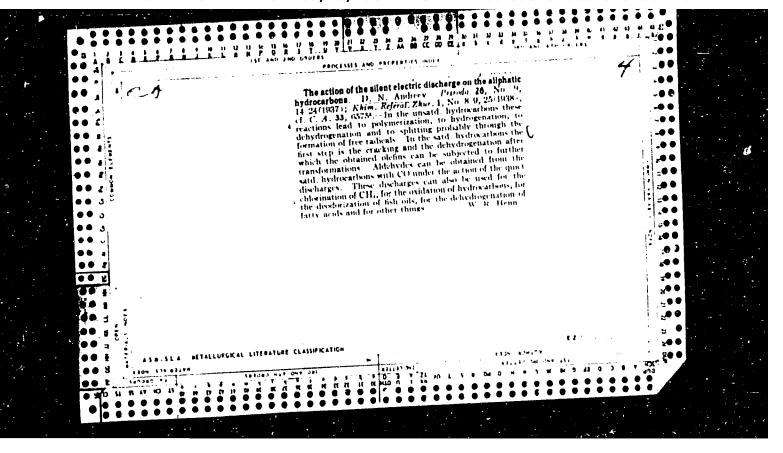
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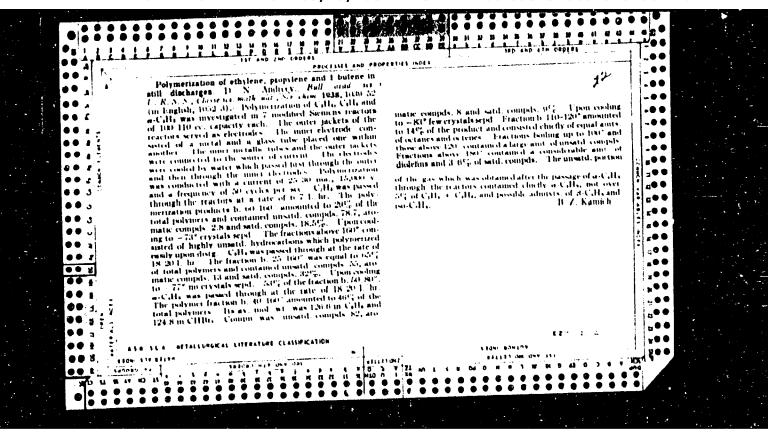




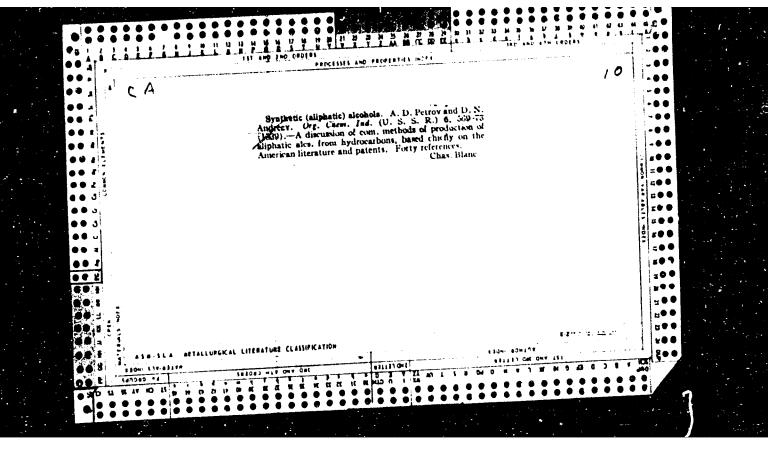




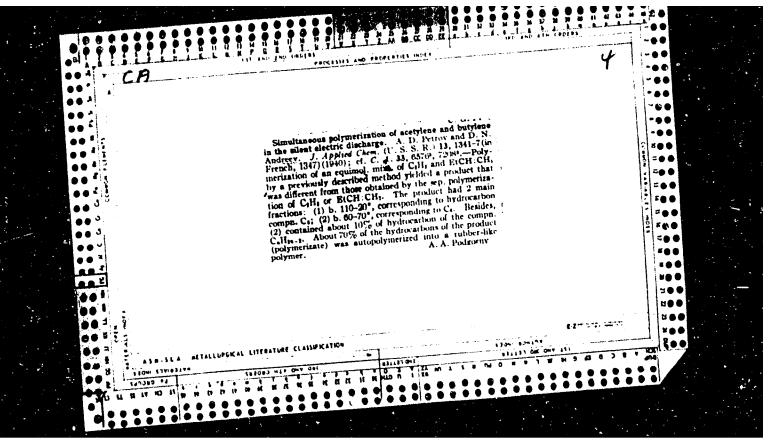




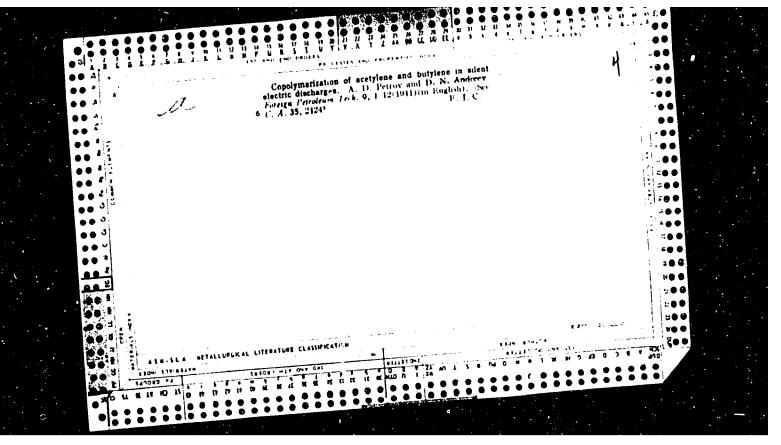
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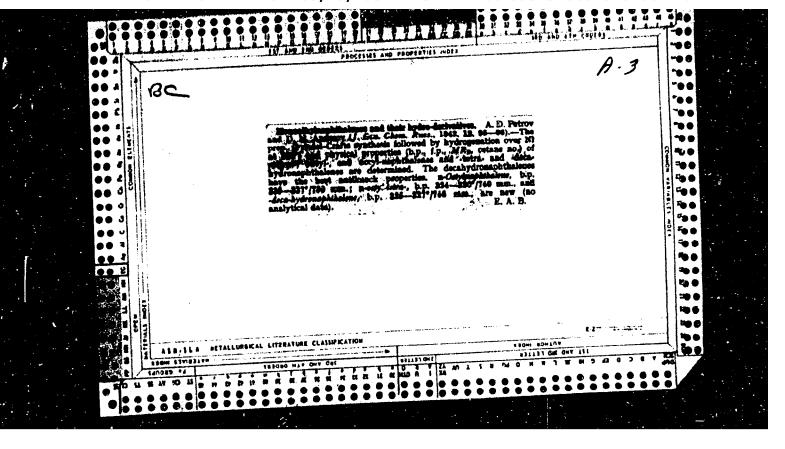


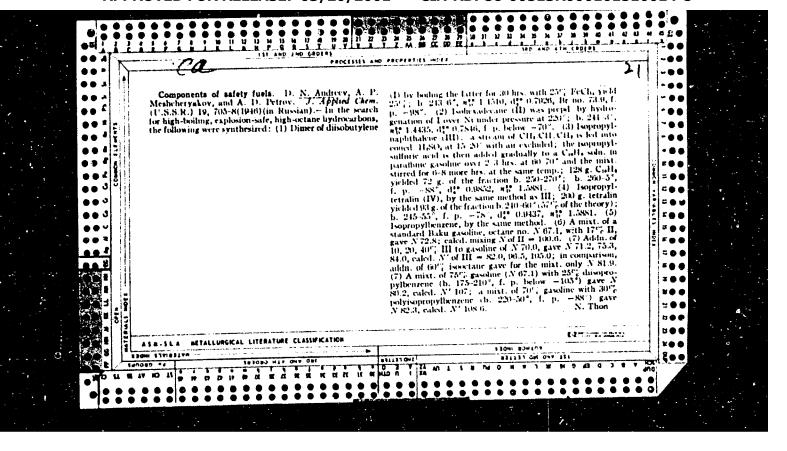
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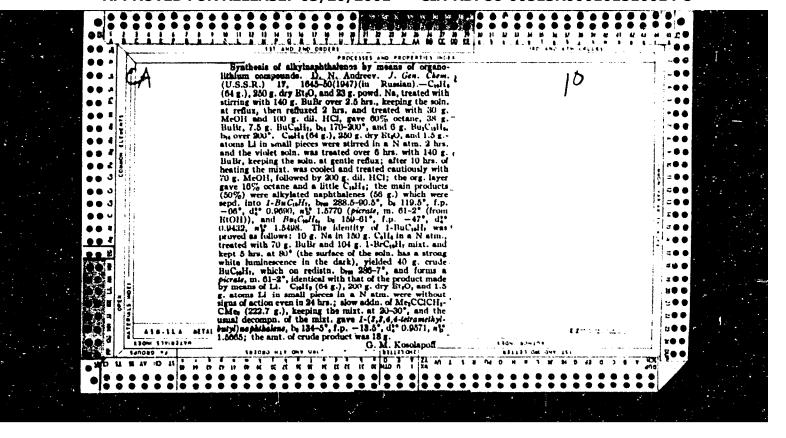


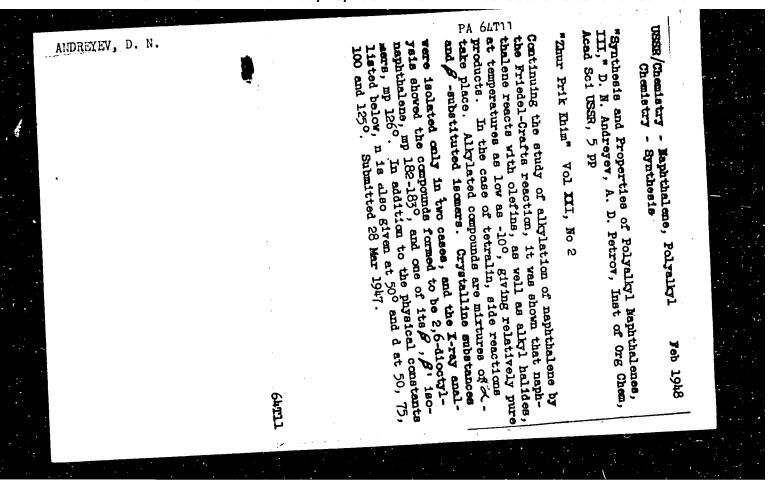
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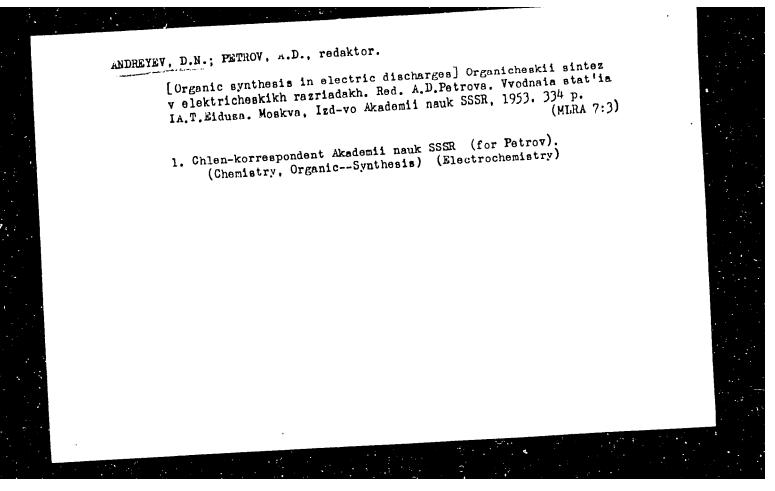


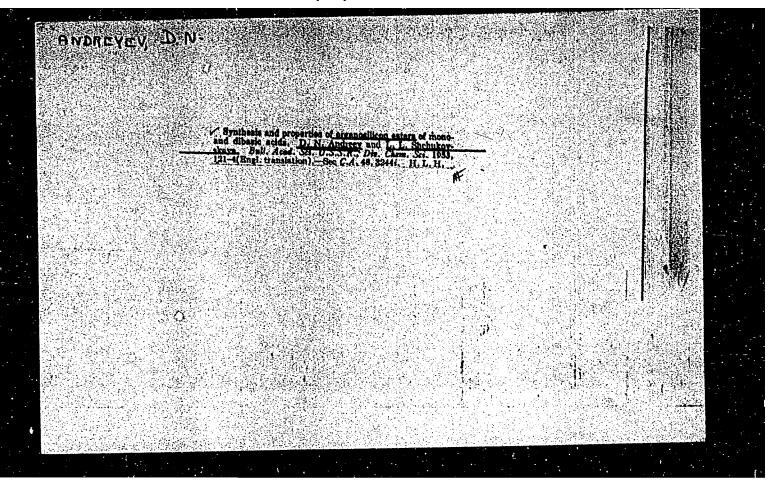


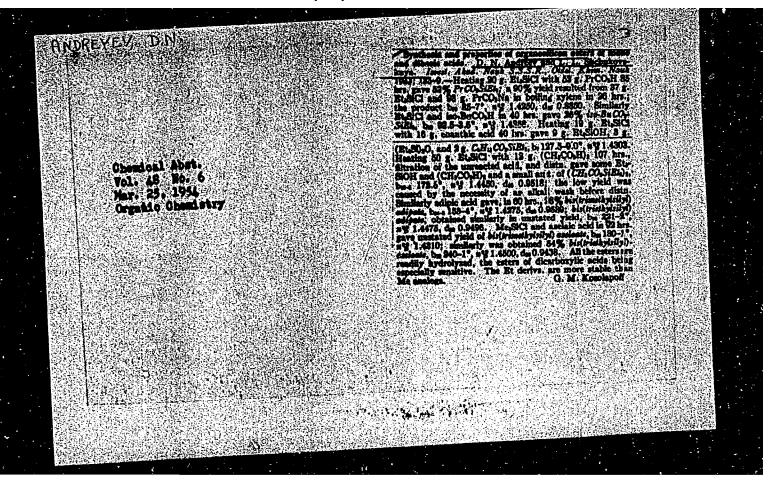


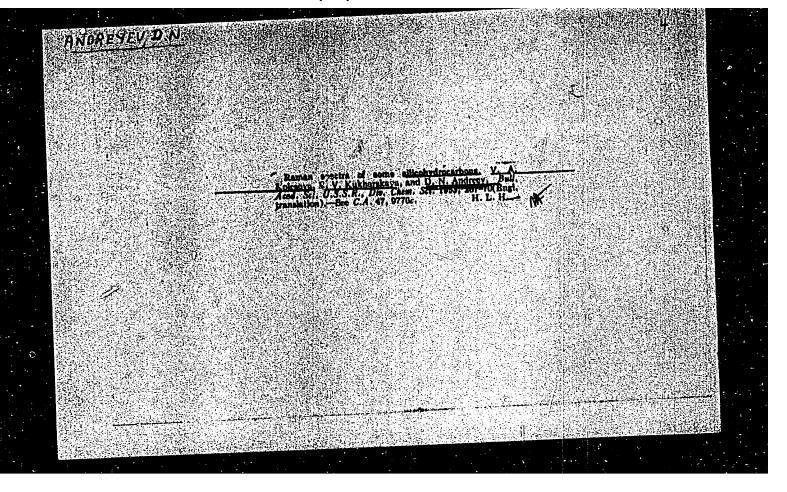












KOLESOVA, V.A.; KUKHAESKAYA, Ye.V.; ANDREYEV, D.N.

Combination scattering spectra of some silanes. Izv. AN SSSR. Otd.khim.
nauk. no.2:294-297 Mr-Ap '53. (NIRA 6:5)

1. Institut khimii silikatov Akademii nauk SSSR.
(Silanes) (Spectrum analysis)

ANDREYEV, D. N.

USER/ Chemistry

Silicates

Card

Pub. 40 - 19/27

Authors

s Andreyev, D. N., and Zavorotnova, G. I.

Title

: Gilico-organic acetic and isobutyric acid esters

Periodical

: Isv. AN SSSR. Otd. khim. nauk 4, 707 - 708, July - August 1954

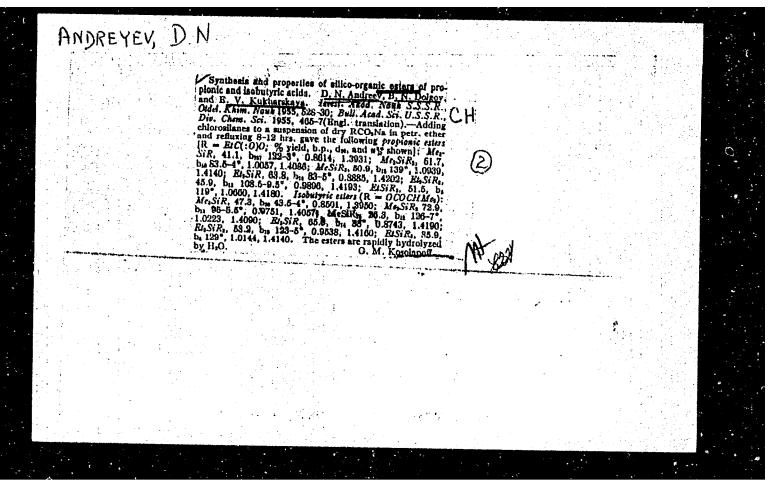
Abstract

1 The synthesis and properties of four hitherto unknown silico-organic acetic and isobutyric acid esters of the R2R"S100CR' and R3SI00CR' type, are described. The basic reaction products used in the synthesis of the above mentioned esters were Na-salts of acetic and isobutyric soids and alkylohlorosilanes. The intermediate products, obtained during this synthesis, are listed. Eleven references: 4 USSR; 5 USA and 2 German (1872 - 1953).

Institution : Acad. of Sc. USSR, Institute of Chemistry of Silicates

Submitted

: July 17, 1953



ANTHORNER D. N.

AID P - 3499

Subject

: USSR/Chemistry

Card 1/1

Pub. 152 - 14/21

Author

: Andreyev, D. N.

Title

: Determination of silicon is easily hydrolyzed organic

silicon compounds

mnon-milys mary graphy to syrthy size and the

Periodical

: Zhur. prikl. khim., 28, 6, 641-643, 1955

Abstract

: Ethyl alcohol (95-96%) was used to hydrolyze

alkylchlorosilanes since the reaction with water is too violent. According to the data obtained, the error does not exceed ±0.25-30%. Two tables, one Russian

reference (1954).

Institution :

Institute of the Chemistry of Silicates of the Academy of Sciences, USSR

Submitted

: Ap 8, 1954

## --- ANDREYEV, D.N.

USSR/ Chemistry - silicates

Card 1/2

Pub. 22 - 18/52

Authors

Andreyev, D. N.

Title :

The chain mechanixm of the condensation reaction of SiCl4 with

cyclohexane and benzene in silent discharges

Periodical :

Dok. AN SSSR, 100/2, 263-265, Jan 11, 1955

Abstract :

Two binary mixtures: SiCl, tcyclohexane and SiCl, then ene were investigated to determine the chain mechanism of their condensation reaction in silent discharges. It was found that SiCl, in the vaporous phase experiences no changes and that the Si-Cl bond does not become

dissociated under the H2.

Institution:

Academy of Sciences USSR, Institute of the Chemistry of Silicates

Presented by:

Academician A. V. Topchiev, July 6, 1954

Periodical: Dok. AN SSSR, 100/2, 263-265, Jan 11, 1955

Card 2/2

Pub. 22 - 18/52

Abstract

The addition of cyclohexane to the SiCl<sub>4</sub> resulted in the formation of condensation products namely, different silico-organic compounds containing hydrolyzing Cl. The products obtained after the fractionation of the liquid condensate are identified. The very same results were obtained during the condensation of SiCl<sub>4</sub> with benzene. Nine references: 4 USA and 5 USSR (1946-1953).

ANDREYEY, D.N.

USSR/Chemistry - Silicates ,

Oard 1/1

Pub. 22 - 23/60

Authors

Andreyev. D. N.

Title

Condensation of methyltrichlorosilane under the effect of silent

Periodical

Dok. AN SSSR 100/4, 697-700, Feb. 1, 1955

Abstract

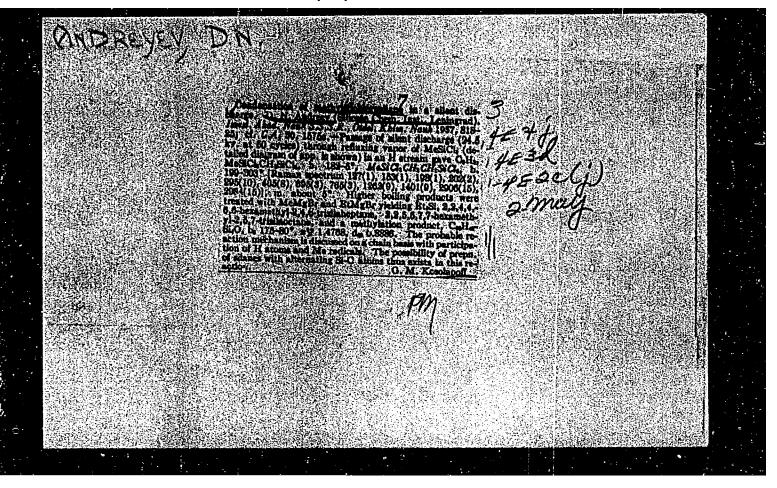
The results obtained by studying the effect of silent discharges on methyltrichlorosilane are analyzed. The formation of condensation products containing 3 and more Si atoms in the molecule is explained by the growth of the chain. It was found that the method of condensing under the effect of silent discharges makes it possible to obtain good yields of polymeric methylpolychlorosilanes containing Si and C atoms in the basic chain. Other products which can be derived by this condensation method are listed. Thirteen references: 4 USA, 2 French. 4 German and 3 USSR (1909-1953).

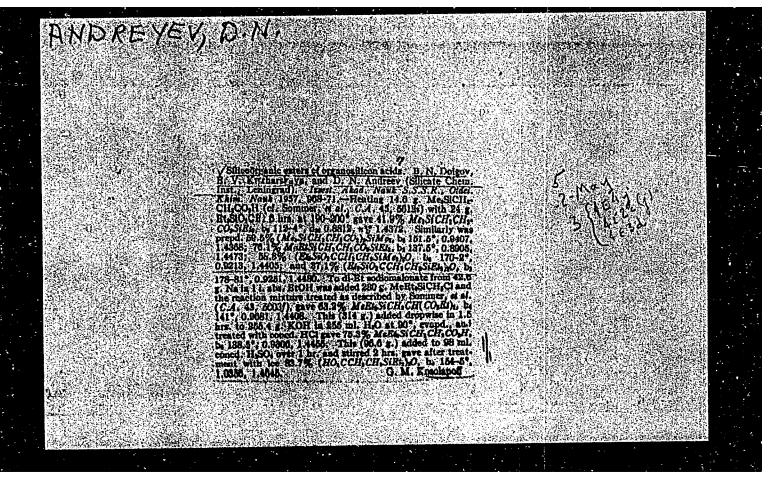
Institution :

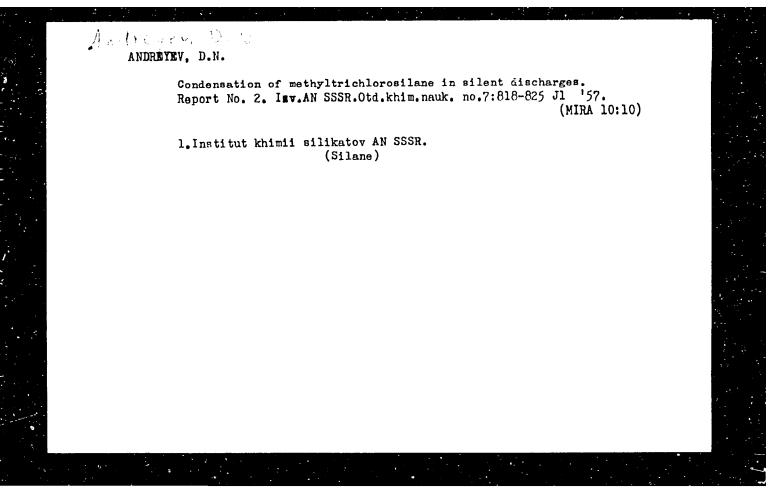
Academy of Scs., USSR, Institute of The Chemistry of Silicates

Presented by:

Academician A. V. Topchiev, August 5, 1954







"Condensation of Methylchlorosilanes where the incluence of the Silent Discharge," paper submitted at the Symposium on Organic and Monsilicate silicon Chemistry on the 12th-12th May 1958, Dreaden.

It will be shown here that under the incluence of the cilent electric discharge, methyltrichloros and dimethyldischlorosilanes are formed which in the (parent) chain contain alternating affices and carbon atoms. The main products of these reactions are the exapounds which form as a result of the condensation of two or three molecules of the original methylchlorosilane. A series of polymethylchlorosilanes can be isolated. A reaction mechanism is proposed, based on a chair reaction, which proceeds by the formation of free radicals and hydrogen atoms.

Abstract: B-3,106,944 (Encl.)

.AUTHORS: Andreyev, D. N., Kukharskaya, E. V. SOV/62-58-6-8/37 TITLE: On Some Properties of the Bond  $Si-C_{aryl}$  in Silicon-Organic Compounds Which, in the y-Position, Contain a Carboxylic or Ester Group (O nekotorykh svoystvakh svyazi Si-C aril v kremneorganicheskikh soyedineniyakh, soderzhashchikh v γ-polozhenii karboksil'nuyu ili slozhnoefirnuyu gruppu) PERIODICAL: Izwestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk, 1958, Nr 6, pp. 702-705 (USSR) ABSTRACT: In the introduction the authors discuss the properties of trimethyl propionic acid, and in this connection the investigations carried out by Sommer (Ref 2) and Dolgov (Ref 3). They then discuss the possibility of synthetizing dibasic organic silicon compounds (with siloxan bond) by the hydrolytic cleavage of the bond Si-C In this way the following compounds were synthetized: 4,6-dimethyl-4,6diethyl-4,6-disila-5-oxonandicarboxylic acid. The presence of 2 phenyl radicals in malonate connected by a silicon atom Card 1/2 considerably increases the stability of this compound. The

On Some Properties of the Bond Si-C aryl in SOV/62-58-6-8/37 Silicon-Organic Compounds Which, in the y-Position, Contain a Carboxylic or Ester Group

methyldiphenylsilylpropionic acid separates benzene after condensation ( $200^{\circ}$ ). Besides, silicon-organic ester of silicon-organic acid is formed.

ASSOCIATION:

Institut khimii silikatov Akademii nauk 388R (Institute of the Chemistry of Silicates, AS USSR)

SUBMITTED:

December 10, 1956

1. Silicon compounds (Organic) -- Properties 2. Silicon compounds (Organic) -- Synthesis 3. Molecular association 4. Propionic acid -- Properties 5. Carboxylic acids -- Synthesis 6. Phenyl radicals -- Chemical effects

Card 2/2

5(3) AUTHORS:

Kukharskaya, E. V., Andreyev, D. N., SOV/62-58-11-16/26

Kolesova, V. A.

TITLE:

On the Interaction of Trimethylsilylmethyl Magnesium Chloride With Esters (O vzaimodeystvii trimetilsililmetilmagniykhlorida

so slozhnymi efirami)

PERIODICAL:

Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk, 1958, Nr 11, pp 1372-1375 (USSR)

ABSTRACT:

In the present paper the authors investigated the interaction of trimethy] silylmethyl magnesium chloride with ethyl acetate, ethyl-n-butyrate, and ethyl isobutyrate. It was found that the reaction with the two mentioned first takes place normally in the direction of the formation of tertiary alcohols. It is, however, also accompanied by a  $\beta$ -decay, by a cleaving off of a radical (CH3)3Si- from the newly formed tertiary alcohol due to the rupture of the Si-C binding. This fact, however, was not surprising. A number of scientists had observed already earlier that in the case of organosilicic /3-alcohols (Refs 3 and 6) as well as in the case of \(\beta\)-acids (Refs 3,5), of ketones (Ref 4), and of esters (Ref 7) a rupture of Si-O bindings takes place under the action of electrophilic

Card 1/2

On the Interaction of Trimethylsilylmethyl Magnesium SOV/62-58-11-16/26 Chloride With Esters

and nucleophilic agents. In the case of an experiment with ethyl isobutyrate tertiary alcohol or olefin could not be separated. The branched structure of the acid apparently represented considerable steric hinderances which obstructed the course of the reaction. If organosilicic alcohols containing a hydroxyl group at the \$\beta\$-carbon atom are dehydrated unsaturated silicon carbides with a double bond in the \$\beta\$-position form. There are 10 references, 4 of which are Soviet.

ASSOCIATION:

Institut khimii silikatov Akademii nauk SSSR (Institute of Silicate Chemistry of the Academy of Sciences, USSR)

SUBMITTED:

March 20, 1957

Card 2/2

5(3) AUTHORS:

Andreyev, D.N., Kukharskaya, E.V.

507/62-58-11-23/26

TITLE:

Preparation of Organo-Silicon Ketones by Dry Distillation of Salts of Organo-Silicic Acids (Polucheniye kremneorganicheskikh ketonov sukhoy peregonkoy soley kremneorganicheskikh kislot)

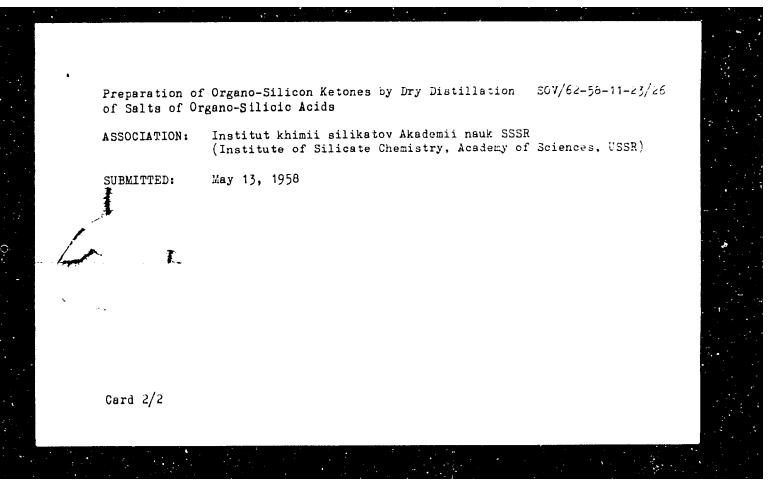
PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1958, Nr 11, pp 1597 - 1598 (USSR)

ABSTRACT:

In this short paper the authors reported on the condensation of salts of organic acids. Formerly, this reaction was not used for the preparation of organo-silicon ketones. Calcium salts of 2 acids, the trimethyl-silyl propionic acid (I) and the methyl-diethyl-silyl propionic acid (II), were condensed. It has been ascertained that this reaction produces ketones with symmetric structure, if salts of organo-silicic acids are used. From the condensation of a mixture of salts of organo-silicic and organic acids ketones of asymmetric structure are obtained. As a result of the investigation carried out it has been ascertained that during this reaction y-organo-silicic acids show a similar behaviour as the organic ones and that in the distillation of their calcium salts they develop ketones in an equally high yield.

Card 1/2



307/79-28-7-62/64 Korshak, V. V., Frunze, P. M., UTHORS:

Andreyev, D. N., Kukharskaya, E. V.

Letter to the Editor (Pistmo v redaktsiyu), On the Properties TITLE:

of Polyamides With Siloxane Groupings (O svoystvakh poliamidov

s siloksanovymi gruppirovkami)

Zhurnal obshchey khimii, 1958, Vol 28, Nr 7, PERIOD'CAL:

pp 1997 - 1998 (USSR)

The general interest prevailing in organosilicon compounds ABSTRACT:

caused the authors to deal with the problem of whether the siloxane groupings in the chain of the initial dicarboxylic acid could exert an influence on the properties of the polyamides. For this purpose they synthesized polyamides from three

dicarboxylic acids of the structure

 $\label{eq:hooc_chi_2} \text{Hooc-}(\text{CH}_2^{-})_2 - \text{Si}(\text{R}_1\text{R}_2) - 0 - \text{Si}(\text{R}_1\text{R}_2) - (\text{CH}_2)_2 - \text{COOH, where 1}) \\ \text{R}_1 - \text{R}_2 - \text{CH}_3 - (\text{CH}_2)_2 - \text{COOH, where 1}) \\ \text{R}_1 - \text{R}_2 - \text{CH}_3 - (\text{CH}_2)_2 - \text{COOH, where 1}) \\ \text{R}_1 - \text{R}_2 - \text{CH}_3 - (\text{CH}_2)_2 - \text{COOH, where 1}) \\ \text{R}_1 - \text{R}_2 - \text{CH}_3 - (\text{CH}_2)_2 - (\text{CH}_2)_2 - \text{COOH, where 1}) \\ \text{R}_1 - \text{R}_2 - \text{CH}_3 - (\text{CH}_2)_2 -$ 

2)R<sub>1</sub>= $R_2$ = $C_2H_5$ , 3)R<sub>1</sub>= $CH_3$ ,  $R_2$ = $C_2H_5$ . From these acids polyanides were

obtained by polycondensation with aliphatic and aromatic diamines,

and from the mixtures of these acids as well as from the adipinic Card 1/3

Letter to the Editor. On the Properties of Poly-, amides With Siloxane Groupings

SOV/79-28-7-62/64

acid with hexamethylene diamine mixed polyamides were produced It turned out that the introduction of siloxane compounds leads to the formation of polymers. They are of a rubber-like nature and have low melting points as compared to those produced from azelaic acid, which fact obviously depends on the influence of the siloxane grouping as well as on the presence of the side substituents at the silicon atom; also the lower melting point and other properties in the substitution of the methyl- by the ethylradical at the silicon atom tend to show this dependence

ASSOCIATION: Institut elementarnoorganicheskikh soyedineniy Akademii nauk SSSR

i Institut khimii silikatov Akademii nauk SSSR (Institute of Elemental-organic Compounds, AS USSR, and Institute of the Chemistry

of Silicates, AS USSR)

SUBMITTED:

April 10, 1958

Card 2/3

CIA-RDP86-00513R000101510014-8" APPROVED FOR RELEASE: 03/20/2001

Latter to the Paiter A II B	
Letter to the Editor. On the Properties of Polyamides SOV/79-28-7-62/64 With Siloxane Groupings	
1. Amides—Synthesis 2. Amides—Properties 3. Silicones—Chemical effects 4. Carboxylic acids—Chemical reactions 5. Polymers—Properties	
J. Tolymers—Properties	
	¥¥.
Card 3/3	
	<b>⊒</b>

ENDREYER DAY

AUTHORS:

Dolgov, B. N., Andreyev, D. N., Lyutyy, V. P. 20-3-23/59

TITLE:

The Effect of the R-Value of Alkyl Radicals on the Si-R Bond Stability Against the Action of Concentrated Sulfuric Acid (Vliyaniye velichiny alkil'nykh radikalov R na ustoychivost' svyazi Si-R k deystviyu kontsentrirovannoy sernoy kisloty).

PERIODICAL:

Doklady AN SSSR, 1958, Vol. 118, Nr 3, pp. 501-504 (USSR)

ABSTRACT:

From the results of references 1-6 the authors draw the conclusion that the stability of the msi-C bond to concentrated sulfuric acid must depend on the quantity (number of carbon atoms) and the structure of the radicals combined with this carbon atom. In order to check this assumption the authors synthesized 3 new monobasic f-silicium-organic acids (VII, VIII and IX) with a common formula CH<sub>2</sub>(R)<sub>2</sub>SiCH<sub>2</sub>CH<sub>2</sub>COOH (where R = n-C<sub>3</sub>H<sub>7</sub>, n-C<sub>4</sub>H<sub>9</sub> and i-C<sub>5</sub>H<sub>11</sub>). Their reaction to concentrated sulfuric acid under standard conditions was studied. Three 2-basic silicium organic acids were produced: 4,4,6,6-tetra-n-propyl-4,6-disila-5-oxancnan-dicarboxylic acid (X), 4,6-dimethyl-4,6-di-n-butyl-4-6-disila-5-oxanonan-dicarboxylic acid (XI) and 4,6-dimethyl-4,6-di-isoamyl-4,6-disila-5-oxanonan-dicarboxylic acid (XII). The structure of these acids points at

Card 1/2